

1 This listing of claims will replace all prior versions, and listings, of claims  
2 in the application.

3  
4 **Listing of Claims:**

5  
6 Claim 1 (Currently amended): A method comprising:  
7 generating a policy digest for a cached policy [[at]] that applies to a client,  
8 the policy digest identifying at least one assertion the client is complying with; and  
9 including the policy digest in a request by the client to access a resource.

10  
11 Claim 2 (Original): The method of claim 1, wherein generating the  
12 policy digest includes generating a hash of the cached policy.

13  
14 Claim 3 (Original): The method of claim 1, wherein generating the  
15 policy digest includes encoding a bit vector identifying selected assertions from the  
16 cached policy.

17  
18 Claim 4 (Original): The method of claim 1, wherein generating the  
19 policy digest includes reading an assertion from the policy, assigning a bit value to  
20 the assertion, and writing the bit value to a bit vector.

21  
22 Claim 5 (Original): The method of claim 1, wherein generating the  
23 policy digest includes generating a hash of the cached policy if the cached policy is  
24 normalized.  
25

1  
2 Claim 6 (Original): The method of claim 1, further comprising:  
3 incrementing a counter each time the cached policy is used; and  
4 removing the cached policy from a cache at the client when the counter  
5 exceeds a limit value.  
6

7 Claim 7 (Original): The method of claim 1, further comprising:  
8 incrementing a counter for the cached policy when a fault is received at the  
9 client in response to using the cached policy; and  
10 removing the cached policy from a cache at the client when the counter  
11 exceeds a limit value.  
12

13 Claim 8 (Original): The method of claim 1, further comprising  
14 logging a diagnostic event when a fault is received at the client to identify a system  
15 problem.  
16

17 Claim 9 (Currently amended): A method comprising:  
18 extracting at a host a policy digest identifying a cached policy that applies  
19 to a client, the policy digest included in a request to access a resource; and  
20 denying access to the resource if the policy digest identifies an invalid  
21 policy.  
22

23 Claim 10 (Original): The method of claim 9, further comprising  
24 issuing a fault for the client if the policy digest identifies an invalid policy.  
25

1           Claim 11 (Original):       The method of claim 9, further comprising  
2 decoding the policy digest.

3  
4           Claim 12 (Original):       The method of claim 9, further comprising  
5 decoding a bit vector of the cached policy.

6  
7           Claim 13 (Original):       The method of claim 9, further comprising  
8 reading an assertion from the policy digest.

9  
10          Claim 14 (Original):       The method of claim 9, further comprising  
11 reading a row hash of the cached policy.

12  
13          Claim 15 (Currently amended):   A system comprising:  
14 a policy digest identifying at least one cached policy that applies to a client;  
15 and  
16 a messaging module denying access to a resource if the policy digest  
17 identifies an invalid policy for the resource.

18  
19          Claim 16 (Original):       The system of claim 15, wherein the messaging  
20 module extracts the policy digest from a message requesting access to the resource.

21  
22          Claim 17 (Original):       The system of claim 15, wherein the messaging  
23 module decodes the policy digest.

1           Claim 18 (Original):       The system of claim 15, wherein the policy  
2     digest is a bit vector of a cached policy.

3  
4           Claim 19 (Original):       The system of claim 15, wherein the policy  
5     digest is a row hash of a normalized policy.

6  
7           Claim 20 (Original):       The system of claim 15, wherein the policy  
8     digest identifies at least one selected assertion.

9  
10          Claim 21 (Currently amended):   A system comprising:  
11          a policy digest for a cached policy that applies to a client, the policy  
12     digest identifying at least one assertion the client is complying with; and  
13          a messaging module including the policy digest in a request by the client to  
14     access a resource.

15  
16          Claim 22 (Original):       The system of claim 21, wherein the messaging  
17     module encodes the policy digest.

18  
19          Claim 23 (Original):       The system of claim 21, wherein the policy  
20     digest is a bit vector of a cached policy.

21  
22          Claim 24 (Original):       The system of claim 21, wherein the policy  
23     digest is a row hash of a normalized policy.

1           Claim 25 (Original):       The system of claim 21, wherein the policy  
2     digest identifies at least one assertion selected by the client.

3  
4           Claim 26 (Currently amended):   A computer program product encoding a  
5     computer program for executing on a computer system a computer process, the  
6     computer process comprising:

7           generating a policy digest for a cached policy ~~[[at]]~~ that applies to a client,  
8     the policy digest identifying at least one assertion the client is complying with; and  
9           including the policy digest in a request by the client to access a resource.

10  
11          Claim 27 (Original):       The computer program product of claim 26  
12     wherein the computer process further comprises generating a hash of the cached  
13     policy.

14  
15          Claim 28 (Original):       The computer program product of claim 26  
16     wherein the computer process further comprises encoding a bit vector of the  
17     cached policy.

18  
19          Claim 29 (Original):       The computer program product of claim 26  
20     wherein the computer process further comprises reading an assertion from the  
21     policy, assigning a bit value to the assertion, and writing the bit value to a bit  
22     vector.

1           Claim 30 (Original):       The computer program product of claim 26  
2 wherein the computer process further comprises generating a row hash of the  
3 cached policy if the cached policy is normalized.

4  
5           Claim 31 (Original):       The computer program product of claim 26,  
6 wherein the computer process further comprises:

7           incrementing a counter each time the cached policy is used; and  
8           removing the cached policy from a cache at the client when the counter  
9 exceeds a limit value.

10  
11          Claim 32 (Original):       The computer program product of claim 26  
12 wherein the computer process further comprises:

13          incrementing a counter for the cached policy when a fault is received at the  
14 client in response to using the cached policy; and

15          removing the cached policy from a cache at the client when the counter  
16 exceeds a limit value.

17  
18          Claim 33 (Original):       The computer program product of claim 26  
19 wherein the computer process further comprises triggering a diagnostic event when  
20 a fault is received at the client.

1           Claim 34 (Currently amended):    A computer program product encoding a  
2 computer program for executing on a computer system a computer process, the  
3 computer process comprising:

4           extracting at a host a policy digest identifying a cached policy that applies  
5 to a client, the policy digest included in a request to access a resource; and

6           denying access to the resource if the policy digest identifies an invalid  
7 policy.

8  
9           Claim 35 (Original):           The computer program product of claim 34  
10 wherein the computer process further comprises decoding the policy digest.

11  
12          Claim 36 (Original):           The computer program product of claim 34  
13 wherein the computer process further comprises decoding a bit vector of the  
14 cached policy.

15  
16          Claim 37 (Original):           The computer program product of claim 34  
17 wherein the computer process further comprises reading an assertion from the  
18 policy digest.

19  
20          Claim 38 (Original):           The computer program product of claim 34  
21 wherein the computer process further comprises reading a row hash of the cached  
22 policy if the cached policy is normalized.